## Patent Claims

- 1. An arrangement for directed provision installation of device-specific functionalities and/or information for field devices (70) which are arranged in a distributed system, with at least one devicespecific component (20) being provided, which interacts with at least two functional units (30) which are 10 linked to it, and in which means are provided at least device-specific component one (20)automatically result in provision and installation of device-specific functionalities and/or information for the field devices (70), which are stored functional units (30). 15
  - 2. The arrangement as claimed in claim 1, characterized in that the arrangement is stored in a memory medium.

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- as claimed in The arrangement claim 1 or 2, characterized in that the device-specific functionalities and/or information which are/is stored the functional units (30) are/is provided installed in а higher-level control system controller (90) relating to the distributed system for the field devices (70).
- 4. The arrangement as claimed in one of the preceding claims, characterized in that the device-specific functionalities and/or information which are/is stored in the functional units (30) are/is installed by means of an automatically running installation process.
- 5. The arrangement as claimed in one of the preceding claims, characterized in that configuration tools (50) are provided for installation of the communication

between the field devices (70) and/or with the higher-level control system or controller (90).

- 6. The arrangement as claimed in one of the preceding claims, characterized in that network components (40) are provided for installation of the network links for a specific communication architecture.
- 7. The arrangement as claimed in one of the preceding 10 claims, characterized in that the functional units (30) are device documentation and/or device core data and/or device parameters and/or device drivers and/or control functions and/or setting-up functions and/or diagnosis and/or functions maintenance functions functions and/or 15 optimization alarm processing functions and/or life functions.
- 8. The arrangement as claimed in one of the preceding claims, characterized in that the device-specific components (20) and/or the configuration tools (50) and/or the network components (40) can be installed in an installation process.
- 9. The arrangement as claimed in claim 7, 25 characterized in that the device-specific components (20), the configuration tools (50) and/or the network components (40) can be installed selectively.
- The arrangement as claimed in one of the preceding that drives 30 claims, characterized in and/or protection units and/or switchgear assemblies and/or in particular sensors for pressure, temperature and flow rate measurements, and/or low voltage devices and/or actuators and/or devices are used as field devices (70). 35
  - 11. The arrangement as claimed in one of the preceding claims, characterized in that device-specific

functionalities and/or information are/is recorded as data structures and/or program components in the device-specific components (20).

12. The arrangement as claimed in one of the preceding claims, characterized in that the device-specific components (20) are tested for the correctness and/or completeness of the device-specific functionalities and/or information.

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- 13. The arrangement as claimed in one of the preceding claims, characterized in that the device-specific components (20) can be extended in a modular form.
- 15 14. The arrangement as claimed in one of the preceding claims, characterized in that the distributed system is a distributed automation system.
- 15. The arrangement as claimed in one of the preceding claims, characterized in that the higher-level system (90) is a process control system or a programmable logic controller.
- 16. The arrangement as claimed in one of the preceding claims, characterized in that the field devices (70) communicate with the higher-level control system or controller (90) via a fieldbus protocol which is in the form of PROFIBUS and/or PROFINet and/or FOUNDATION fieldbus and/or HART.

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17. A method for directed provision and installation of device-specific functionalities and/or information for field devices (70) which are arranged in a distributed system, with at least one device-specific component (20) being provided, which interacts with at least two functional units (30) which are linked to it, and by means of which device-specific functionalities and/or information which are/is stored in the

functional units (30) for the field appliances (70) are automatically provided and installed at least in one device-specific component (20).

- 5 18. The method as claimed in claim 17, characterized in that the arrangement is stored in a memory medium.
- 19. The method claimed as in claim 17 or 18, in characterized that the device-specific functionalities and/or information which are/is stored 10 functional units (30) are/is the provided installed in higher-level control system controller (90) relating to the distributed system for the field devices (70).

20. The method as claimed in claims 17 to 19, that the device-specific characterized in functionalities and/or information which are/is stored in the functional units (30) are/is installed by means 20 of an automatically running installation process.

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- 21. The method as claimed in claims 17 to 20, characterized in that configuration tools (50) are used for the installation of the communication between the field devices (70) and/or with the higher-level control system or controller (90).
- 22. The method as claimed in claims 17 to 21, characterized in that network components (40)30 provided for installation of the network links for a specific communication architecture.
  - 23. The method as claimed in claims 17 to 23, characterized in that the functional units (30) provide device documentation and/or device core data and/or device parameters and/or device drivers and/or control functions and/or setting-up functions and/or diagnosis functions and/or maintenance functions and/or

optimization functions and/or alarm processing functions and/or life functions.

- 24. The method as claimed in claims 17 to 23. characterized in that the device-specific components (20) and/or the configuration tools (50) and/or the network components (40)are installed in an installation process.
- 10 25. The method as claimed in claims 17 to 23, characterized in that the device-specific components (20), the configuration tools (50) and/or the network components (40) are installed selectively.
- 15 26. The method claimed in claims 17 as 25, characterized in that drives and/or motor protection units and/or switchgear assemblies and/or sensors, particular sensors for pressure, temperature and flow rate measurements, and/or low voltage devices and/or 20 actuators and/or analysis devices are used as field devices (70).
- 27. The method as claimed in claims 17 to 26, characterized in that device-specific functionalities and/or information are/is recorded as data structures and/or program components in the device-specific components (20).
- 28. The method as claimed in claims 17 to 27, 30 characterized in that the correctness and/or completeness of the device-specific functionalities and/or information are tested.
- 29. The method as claimed in claims 17 to 28, 35 characterized in that modular extensions are provided in the device-specific components (20).

- 30. The method as claimed in claims 17 to 29 characterized in that the distributed system is in the form of a distributed automation system.
- 5 31. The method as claimed in claims 17 to 30

  characterized in that the higher-level system (90) is

  in the form of a process control system or a

  programmable logic controller.
- 10 32. The method as claimed in claims 17 to 31, characterized in that the field devices (70) communicate with the higher-level control system or controller (90) via a fieldbus protocol which is in the form of PROFIBUS and/or PROFINet and/or FOUNDATION fieldbus and/or HART. 15